

19990530.ba v02_n564.bam.990530

>From ???@??? Mon May 31 03:18:45 1999
Message-Id: <199905302031.d4UCn0004757@sco.theporch.com>
Date: Sun, 30 May 1999 15:30:30 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2564

BOATANCHORS Digest 2564

Topics covered in this issue include:

- 1) Re: Shipboard BA cable installations
by Jerry Proc <jproc@idirect.com>
- 2) XCU-300 available
by Brian.Harris@sv.sc.philips.com (Brian Harris)
- 3) Re: Book Recommendation?
by "Bill Riches" <briches@bellatlantic.net>
- 4) a most unusual 304TL
by Brian.Harris@sv.sc.philips.com (Brian Harris)
- 5) FT: Eimac 304TL
by Brian.Harris@sv.sc.philips.com (Brian Harris)
- 6) Meteor sighting
by mnhopkins@juno.com
- 7) Military Radio Reflector... Exists!
by Dick Dillman <ddillman@igc.apc.org>
- 8) Re: Book Recommendation?
by "Barry L. Ornitz" <ornitz@tricon.net>
- 9) Shipboard Cables
by "Paul Bernhard Sr." <w2tu@email.msn.com>
- 10) Anybody identify this military putt-putt?
by "Thomas A. Adams" <103360.2133@compuserve.com>
- 11) KW 2000E Arrives
by thompson@mindspring.com
- 12) National knobs
by Brian.Harris@sv.sc.philips.com (Brian Harris)
- 13) Wanted Schematic or manual on Elmac 1470 p/s
by W4UOC@aol.com
- 14) Knobs, anyone?
by "Arden Allen" <gumbear@pacbell.net>
- 15) lonely RCA AR-88 manual
by Brian.Harris@sv.sc.philips.com (Brian Harris)
- 16) Re: Anybody identify this military putt-putt?
by "William B. Ross" <billross@txdirect.net>
- 17) DCR Cabinet Screw size ? (SP-600)
by "Jim Carrington" <jcall@sirius.com>
- 18) Re: Anybody identify this military putt-putt?

by John M Iverson <jackiv@juno.com>
19) Re: DCR Cabinet Screw size ? (SP-600)
by John M Iverson <jackiv@juno.com>
20) Re: Military Put-put
by "Richard Brunner" <rbrunner@gis.net>

Message-ID: <3750685B.D03FDCBA@idirect.com>
Date: Sat, 29 May 1999 18:21:15 -0400
From: Jerry Proc <jproc@idirect.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Shipboard BA cable installations
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ray Mote wrote:

> Active ships have special cables that are not only low-smoke,
> but have a filler ("silly putty" on steroids) between the conductors to
> prevent water penetration along the cable.

Hi Ray,

Funny you should mention that. Currently I'm restoring a 3 station IC-KAA intercom system aboard HAIDA. The twisted pair, inter-station cable has a wet filler between the pairs and smells like well used gymnasium socks that have been stored in a humidor. At first I thought it was water penetration, but after stripping back the cable end about 6 inches, I noticed it still had the same consistency of dampness. I concluded it was a characteristic of the cable.

Thanks for explaining that mystery.

Regards,
Jerry Proc VE3FAB jproc@idirect.com
Web: www3.sympatico.ca/hrc/haida
HMCS HAIDA Historic Naval Ship, Toronto Ontario

Mime-Version: 1.0
Date: Sat, 29 May 1999 17:46:20 -0700
Message-ID: <0035148B.1914@svlima.sv.sc.philips.com>
From: Brian.Harris@sv.sc.philips.com (Brian Harris)
Subject: XCU-300 available

To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Relax, don't wet your pants!

I do have an XCU-300 crystal oscillator available. It came installed in an NC-400 I am restoring. The NC-400 is supposed to have an XCU-400. Although I don't know for sure, I suspect the XCU-400 looks similar to, if not exactly like, the XCU-300, except for the marking.

Here's the deal; I will trade my XCU-300....AND....\$100 for an original XCU-400 (or buy your XCU-400 outright).

If I can't find an original XCU-400 in a reasonable amount of time, I'll merely transform my XCU-300 into an XCU-400. This operation only requires a crystal, a tube change and a few additional components. No, the XCU-300 is not for sale.

If you don't know, the XCU-300 is the 100 Kc crystal calibrator for an NC-300. It will also work in an NC-303 (or NC-400).

TNX es 73, Brian Harris WA5UEK (whose extra rubber feet are gone)

Message-ID: <00d001beaa31\$c1ba8b20\$6a5b9ed1@oemcomputer>
From: "Bill Riches" <briches@bellatlantic.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Book Recommendation?
Date: Sat, 29 May 1999 19:17:02 -0500
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-->Communications Receivers: Principles and Design
>by Rohde, Ulrich L
>
>.....and I would like to know if anyone is familiar with it and would it
>be useful in learning practical theory for understanding latter day
>boatanchors. Thanks.

Grab it if you can - he is the "receivermeister"!!

73, Bill WA2DVU

Cape May, NJ

Mime-Version: 1.0
Date: Sat, 29 May 1999 18:33:06 -0700
Message-ID: <003514A0.1914@svlima.sv.sc.philips.com>
From: Brian.Harris@sv.sc.philips.com (Brian Harris)
Subject: a most unusual 304TL
To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

I have a very unusual Heinz-Kaufmann 304-L Gammatron for you tube collectors. This is a VT-129 and is taller and has a different shaped globe than normal 304TL's. The globe is marked 304-L but the base is marked 304TL. One filament side is open.

I will trade it for one NIB 6146 (any kind) or three good used (tested) ones of the same type. If there are multiple replies, I will randomly pick a winner. I pay for the 304TL shipping, you pay for the 6146 shipping.

Brian

Mime-Version: 1.0
Date: Sat, 29 May 1999 18:41:19 -0700
Message-ID: <003514A1.1914@svlima.sv.sc.philips.com>
From: Brian.Harris@sv.sc.philips.com (Brian Harris)
Subject: FT: Eimac 304TL
To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

I have an Eimac 304TL for trade. I have no way to test it. Although both filaments show continuity, when I invert the tube I hear a little jingle of something loose. Will trade for a NIB 6146 (any type) or three good used (tested) ones of the same type. I pay for shipping the 304TL, you pay for shipping the 6146/s.

Brian Harris WA5UEK

To: Old Tube Radios <boatanchors@theporch.com>
Date: Sat, 29 May 1999 20:02:24 -0500
Subject: Meteor sighting
Message-ID: <19990529.200235.-3184689.0.MNHopkins@juno.com>

MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
From: mnhopkins@juno.com

When the student is ready, the teacher will appear.

That Zen saying applies, it seems, to the WRL/Globe Meteor SB-175 DSB/AM/CW transmitter. One of those gold and black devices came to me not long ago from a SK who had done some undocumented mods on it. There was no manual, of course, and I have become convinced that buying one is a weakness. So, with the help of the QST review, I traced out the circuit, re-did what I think was a QRP mod to drive a transverter, and loaned the beast to Dennis, W5FRS to amaze and confound his essoterica loving friends on the Glowbugs 40M frequency. It was the first WRL SB-175 I have ever seen, or known of untill Carl and Jerry.

Reading a April, 1964, Popular Electronics for Carl and Jerry episodes to list and copy, my eye caught a rarish Knight VFO in a Novice column by Herb Brier, W9EGQ. There is a robust looking WN0FSW on page 74 with his Knight VFO, a Heath HR-20 (some Indian?) Mobile RX and, of all things, a SB-175. That goes far from the usual Novice Halicrafter/Heathkit setup, you have to admit. Next door KN7ZMA sports a Hammurlund HQ-100 (110?) with one of the 1625 ARRL TXs and a YL, K9GAW, is burning up the Either with a HT-37 to a Warrior while she listens to a Drake 2B.

So there was at least one more of these Halloween looking rigs with 6DQ6s driven by a 5763 which hears from a 6CL6. There is a 12AT7/6D10 modulator and the oscillator and PAs are keyed while the 5763 is not. An 11-pin accessory socket on the back allows VFO if you throw a slide switch and the series/parallel heaters it took me two days to map can go 6 or 12 volts. Just apply 5A of 6.3, some 300 and 600 volts and you're on your way.

With the mobile RX too, I wish they'd have shown WN0FSW's power supply too.

de ab5L, michael in dallas, MNHopkins@JUNO.com
Student of Tecraft, ICM and Six Meters' Golden age: 1957-58
Box 226841, Dallas, TX 75222
Who saw a guy work out an Ampledyne 621 without the book and was impressed.

Date: Sat, 29 May 1999 18:12:14 -0700 (PDT)
Message-Id: <2.2.16.19990529175901.47e73680@pop.igc.org>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Dick Dillman <ddillman@igc.apc.org>
Subject: Military Radio Reflector... Exists!

Thanks to all who pointed me to the military radio email reflector at qth.net. Looks like there's no need to re-invent that one after all, especially since most respondents say the traffic level on that reflector is low. I thought the level of lust for green radios was higher than that!

D.

Dick Dillman, W6AWO
Chief Operator at K6KPH of the Maritime Radio Historical Society
Collector Of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

Message-Id: <199905300153.VAA21359@flash.naxs.net>
From: "Barry L. Ornitz" <ornitz@tricon.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Book Recommendation?
Date: Sat, 29 May 1999 22:53:22 -0400

Arden asked about the book: "Communications Receivers: Principles and Design" by Rohde, Ulrich L.

I have the first edition from 1988. A second edition was released in 1996 with another contributor added. Amazon.com lists it at \$65. It has about 100 more pages than my edition. The second edition covers more on cellular and digital systems not in the first book. The table of contents is listed on <http://www.technicalpress.com> along with a few corrections and sample pages of the text.

The first edition is excellent. I am sure the second is better. Expect lots of math, however.

73, Barry L. Ornitz WA4VZQ ornitz@tricon.net

Message-ID: <001d01beaa89\$752edec0\$e55a2299@default>
From: "Paul Bernhard Sr." <w2tu@email.msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Shipboard Cables
Date: Sun, 30 May 1999 06:44:54 -0400

Hi All;

In working on the USS The Sullivans here I also noticed this filler in some of the more "modern" cables aboard the ship. (Those that appear to have been installed with the more recent gear) To me, as a retired electrician, it resembles the Duct Seal Putty we use for fill, waterproof, etc. (That stuff works for anything!)

For Jerry: How's the Haida coming along? We are getting ready for the new waterfront developement here in Buffalo (starting about end of June) and the ships will all be moved to new piers and we will have a new museum in a few years. Maybe I can operate while afloat!

73 to all

Paul B. W2TU/NNNOGNB

w2tu@email.msn.com

Date: Sun, 30 May 1999 07:30:55 -0400
From: "Thomas A. Adams" <103360.2133@compuserve.com>
Subject: Anybody identify this military putt-putt?
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199905300731_MC2-778D-7D60@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
 charset=us-ascii
Content-Disposition: inline

Greetings, Troops.

First, the Cover Story (for the benefit of the YL)...

In the interest of Y2K preparedness, I couldn't pass up a military surplus gasoline generator that crossed my path at a decent price. Besides, the local utility here is obviously the Three Stooges Power and Light Company... if it gets a bit foggy, the lights will go out.

Now, the truth of the matter...

There's a BIT of truth in the Cover Story... tho personally I don't think diddlysquat is gonna happen at 0000 hours on 1 JAN 2000. The MAIN truth is that I've wanted a decent Field Day generator for a couple of decades, and

now I've got it.

The gizmo in question is about 400 pounds of Olive Drab Onan. Rating is 3.5 KW continuous, 4.0 KW intermittent, but knowing MIL specs and judging from size and weight I'd say 4 KW continuous and 5 KW intermittent is probably more of a "real world" rating.

Construction is typical for a generator of this class; built in a pipe frame, no wheels (tho I'll soon be changing THAT... I almost wound up singing soprano moving this monater from the trailer to the garage!). No covering panels or housings on the frame; everything is al fresco.

Vintage is reputed to be 1970s (Vietnam War era), and I can believe it; appears to beautifully fulfill the seller's description of "low hours", and "excellent condition". All it needs is a minor paint touch - up to look like new.

Engine is the BIGGEST "small" engine I've ever seen; 2 cylinder air cooled, flywheel must be 16 - 18 inches across. Eyeball guesstimate says we're in the 10 - 12 horsepower ballpark. Obviously designed for powering communications equipment; the plugs, ignition wiring and distributor (?) are all shielded, and there is a box marked as a radio interference filter on the engine. Starter is a rope, and the beast consistently starts on the first yank.

Fuel is regular grade gasoline; it's placarded to NOT use premium grade. That fits the time line given; after Vietnam, military generators were standardized to use small Diesel engines (there are currently available Army issue "upgrade" kits to bring older machines into line with the policy), and they were also set up to be capable of burning several military JP jet kerosenes. According to a military web pages I've seen in the last couple of days, in the current inventory there are NO gasoline powered Army generators at all... wishful thinking on some bureaucrat's part perhaps?

Tank appears to be 4 or 5 gallons, gravity feed on top of the alternator, and with a glass gascolator cup (to trap water or dirt in the fuel).

Output is 120 VAC / 208 VAC three phase.

No military nomenclature plates, nor can I find screw holes where plates were removed. It bears what appears to be an Onan commercial plate with the model number 4CCK-4P/3095J.

Skimpy instrumentation; no volt / amp / frequency meters; only thing I have is an oil pressure gauge, put in a spot on the bottom of the engine flywheel cover where it's VERY difficult to read.

The output box has six outlets; three 3 pin twist-loks, and three 4 pin twist-loks. On the side of the box is a "convenience" lamp in a heavy glass domed outlet, illuminating the outlet panel and telling you "yup, I'm making electricity".

Interestingly, NO circuit breakers !!! That too will be remedied quickly.

Controls are a pull-out choke (on the flywheel housing), a STOP button (same place), and a governor fine adjustment for the speed (pull-out knob on a short flex cable under the removable top engine cover).

Does this power plant ring a bell with anyone? If so, is it a subunit of some particular commo system, or is it a standalone general purpose genset?

If this critter is familiar with anyone here, I'd appreciate ANY information you may have. A manual, or the TM number of the appropriate one would be fantastic.

In any case, this thing appears to be one SERIOUS generator... the 3 phase tells me so.

Tom, W9LBB

From: thompson@mindspring.com
Message-ID: <001301beaa9e\$ea7148c0\$a66356d1@default>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: KW 2000E Arrives
Date: Sun, 30 May 1999 09:18:31 -0400

The KW2000E arrived Tuesday in two boxes. Box 1 was the speaker/PS and some spare tubes including spare 6146W's. Box 2 housed the KW2000E, the manual, and a few more spare tubes.

The transceiver does have near Collins colors and it worked on all bands right out of the box. The KW2000E covers 160 to 10, average input is 180 watts SSB PEP, 180W CW, or 100W output 2 tone. This version is circa 1973 per the schematic. The 2000E has a VFO the operates between 2000Khz and 2700 Khz and uses overtone crystals to cover 500Khz+ on each band with 10 having 3 bands for full coverage. There are filters for CW and SSB (there is no AM just like Collins). AM is possible using the KWM2/32S1 mod to add carrier to one sideband but you must listen to AM in exalted carrier...and I do that anyway to hear through the QRM.

The most unique feature is the IRT and ITT (off set tuning for RX and TX. The IRT tunes plus and minus 6Khz and the ITT allows you to off set the TX from the main VFO by 6Khz. I still am trying to figure out the IRTT (RX and TX offset). The main tuning dial is brushed aluminum as are all the controls (unlike Collins). The main tuning has two tuning ratios. Slow for normal tuning and fast to get from one end the band to the other.

For a hollow state transceiver this rig is small. I have it set up at my vintage SSB set up. I am awaiting a four pin plug to try the SHure 444 and VOMAX processor with the rig.

I'll try to shot some pics for ER and maybe the CQ classic calendar.

Back to the Elmac AF-67/PS2-A(blowes fuses) and I'll try to figure out what goes wrong.

73 Dave K4JRB

Mime-Version: 1.0
Date: Sun, 30 May 1999 09:02:01 -0700
Message-ID: <0035165C.1914@svlima.sv.sc.philips.com>
From: Brian.Harris@sv.sc.philips.com (Brian Harris)
Subject: National knobs
To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

As part of the restoration of an NC-400 receiver, I am looking for a few knobs. While I understand the odds of finding actual NC-400 knobs rank right up there with finding a Salvation Army store KW-1, I don't require original NC-400 knobs. I will happily settle for small black knobs from an NC-303 (preferred) or small grey knobs from an NC-300/303.

But.....since I'm wishing, here's what I'm really looking for:

1. AFG knob - this is a grey knob. The metallic insert is marked 'AFG' at the bottom and 'OFF' at the top. (An NC-300 AFG knob will be fine in this place.)
2. Crystal Select - this is a black knob. The metallic insert is marked 'SELECT' at the bottom. The top is marked, from left to right, '5 4 3 2 1 OFF'.
3. BFO Control - this is a black knob. The metallic insert has either one index mark at the top or nine index marks along the upper semi-circle just like those on the CW0 and Crystal Phasing knobs of an NC-300. The bottom is marked 'BFO'.

Thank you for your time and any help you can provide.

73, Brian Harris WA5UEK

From: W4UOC@aol.com
Message-ID: <d65932eb.2482a9a8@aol.com>
Date: Sun, 30 May 1999 10:48:08 EDT
Subject: Wanted Schematic or manual on Elmac 1470 p/s
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I recently acquired a nice clean Multi-Elmac AF-67 and Elmac 1470 power supply.
I have the manuals on the transmitter but would like some basic pinout information, schematic and/or manual on the Elmac 1470 power supply which is 120ac or 12vdc.

I am very familiar with the Elmac 1070 power supply but this is a new one to me.

It works fine but I am just looking for some documentation.

Tom Koch - W4UOC
8170 Habersham Waters Road
Dunwoody, GA 30350
FAX (770) 730-8137
w4uoc@aol.com

Message-Id: <199905301620.JAA25244@mta1.snfc21.pbi.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Knobs, anyone?
Date: Sun, 30 May 1999 09:21:28 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Been knob fobbed lately?

Check out this site, it may be the only way to acquire the knob of your dreams: <<http://www.polytek.com>>

Some interesting reading: <<http://www.reptech.co.uk/intro.htm>>

Some mould making material choices:

<<http://www.netherlandrubber.com/adhesive/mold/mold2.html>>

A place to get started? <<http://alumilite.com/catalog.htm>>

Just follow the instructions:

<http://www.duke.edu/~mtb3/castingmanual/chapter_1.html>

Grab a knob!

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Mime-Version: 1.0

Date: Sun, 30 May 1999 12:02:30 -0700

Message-ID: <003516D0.1914@svlima.sv.sc.philips.com>

From: Brian.Harris@sv.sc.philips.com (Brian Harris)

Subject: lonely RCA AR-88 manual

To: Old Tube Radios <boatanchors@theporch.com>

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

Content-Description: cc:Mail note part

Going through my very full four drawer filing cabinet of manuals, I stumbled across an AR-88D manual. Although I am thinning down, I could be convinced to take ownership of one of these receivers. Must have all the knobs.

Message-ID: <37517936.1A65F03B@txdirect.net>

Date: Sun, 30 May 1999 12:45:26 -0500

From: "William B. Ross" <billross@txdirect.net>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

CC: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Anybody identify this military putt-putt?

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Thomas A. Adams wrote:

> Greetings, Troops.

>

> First, the Cover Story (for the benefit of the YL)...

>

> The gizmo in question is about 400 pounds of Olive Drab Onan. Rating

> is 3.5

> KW continuous, 4.0 KW intermittent, but knowing MIL specs and judging
> from
> size and weight I'd say 4 KW continuous and 5 KW intermittent is
> probably
> more of a "real world" rating.
>
> Construction is typical for a generator of this class; built in a pipe
>
> frame, no wheels (tho I'll soon be changing THAT... I almost wound up
>
> singing soprano moving this monater from the trailer to the garage!).
> No
> covering panels or housings on the frame; everything is al fresco.
>
> Vintage is reputed to be 1970s (Vietnam War era), and I can believe
> it;
> appears to beautifully fulfill the seller's description of "low
> hours", and
> "excellent condition". All it needs is a minor paint touch - up to
> look
> like new.
>

Tom:

This appears to be a PE-75 company size generator, vintage about 1965 (at least that was the year we used on of these in Di Anh). Very reliable unit which should provide yoeman service on a 24 hour basis if required. As I remember it was the largest power unit at the time encased in that tube frame. The next larger was an older PE-95 which utilized a water cooled jeep size gasoline engine. In Early 1966 all of these units were replaced with 125KW Diesel powered units in our area until PA&E came in and set up commercial style power gnerating centers in the base camps in 1967. I was lucky enough to be there for all of it.

Bill Ross K5LLK

Message-ID: <001901beaad9\$6c8a9840\$bbf186cd@jcall.sirius.com>
From: "Jim Carrington" <jcall@sirius.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: DCR Cabinet Screw size ? (SP-600)
Date: Sun, 30 May 1999 13:17:09 -0700
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is to the folks like myself who bought the recent DCR SP-600 cabinets from Premier .
Has anyone figured out yet what the screw size is on the front panel mounting holes ? I've tried
8-32, 10-24 and 12-24 without success. I'd prefer not to have to retap them if possible.

Thanks

Jim Carrington

To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Date: Sun, 30 May 1999 15:10:09 -0500
Subject: Re: Anybody identify this military putt-putt?
Message-ID: <19990530.151126.15966.6.jackiv@juno.com>
From: John M Iverson <jackiv@juno.com>

a manual for this beast is in the files of val johnson, K9GAW. Send val an e-mail at
k9gaw@juno.com. see if he will make a copy for you. this will tell you more than you want to know. this is a very good unit. too bad it is 3 phase, cannot be changed..

jack
Jack Iverson K0EWU jackiv@juno.com
ARRL, IEEE LM, RCA, AMI, ARCI, QCWA,CCA

On Sun, 30 May 1999 12:45:26 -0500 "William B. Ross"
<billross@txdirect.net> writes:

>Thomas A. Adams wrote:

>

>> Greetings, Troops.

>>

>> First, the Cover Story (for the benefit of the YL)...

>>

>> The gizmo in question is about 400 pounds of Olive Drab Onan. Rating
>> is 3.5

>> KW continuous, 4.0 KW intermittent, but knowing MIL specs and
>judging

>> from

>> size and weight I'd say 4 KW continuous and 5 KW intermittent is
>> probably

>> more of a "real world" rating.

>>

>> Construction is typical for a generator of this class; built in a
>pipe

>>
>> frame, no wheels (tho I'll soon be changing THAT... I almost wound
>up
>>
>> singing soprano moving this monater from the trailer to the
>garage!).
>> No
>> covering panels or housings on the frame; everything is al fresco.
>>
>> Vintage is reputed to be 1970s (Vietnam War era), and I can believe
>> it;
>> appears to beautifully fulfill the seller's description of "low
>> hours", and
>> "excellent condition". All it needs is a minor paint touch - up to
>> look
>> like new.
>>
>
>Tom:
> This appears to be a PE-75 company size generator, vintage about
>1965 (at least that was the year we used on of these in Di Anh). Very
>reliable unit which should provide yoeman service on a 24 hour basis
>if
>required. As I remember it was the largest power unit at the time
>encased in that tube frame. The next larger was an older PE-95 which
>utilized a water cooled jeep size gasoline engine. In Early 1966 all
>of
>these units were replaced with 125KW Diesel powered units in our area
>until PA&E came in and set up commercial style power gnerating centers
>in the base camps in 1967. I was lucky enough to be there for all of
>it.
>
> Bill Ross K5LLK
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Date: Sun, 30 May 1999 15:13:50 -0500
Subject: Re: DCR Cabinet Screw size ? (SP-600)
Message-ID: <19990530.151427.15966.8.jackiv@juno.com>
From: John M Iverson <jackiv@juno.com>

should be 10/32 old jack
Jack Iverson K0EWU jackiv@juno.com
ARRL, IEEE LM, RCA, AMI, ARCI, QCWA,CCA

On Sun, 30 May 1999 13:17:09 -0700 "Jim Carrington" <jcall@sirius.com>
writes:
>This is to the folks like myself who bought the recent DCR SP-600
>cabinets
>from Premier .
>Has anyone figured out yet what the screw size is on the front panel
>mounting holes ? I've tried
>8-32, 10-24 and 12-24 without success. I'd prefer not to have to retap
>them
>if possible.
>
>
>Thanks
>
>Jim Carrington
>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Message-ID: <001a01beaada\$37bedbc0\$e43029d8@blah>
From: "Richard Brunner" <rbrunner@gis.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Military Put-put
Date: Sun, 30 May 1999 16:11:44 -0400
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

"Interestingly, NO circuit breakers !!! That too will be remedied
>quickly."

Don't worry about adding a circuit-breaker to the generator. The biggest
problem with small generators (and we are talking small here) is getting
enough short-circuit current out of it to trip a circuit-breaker or blow a
fuse. Circuit-breaker short-circuit trip current or fuse short-circuit
melting current is typically 10 to 20 times full continuous current rating.
Further, breakers and fuses are commonly applied at only 80% of their
continuous current rating when in an enclosure. (Note that the device

ratings are for open-air, which is an historical anomaly, 'cause that isn't how they are used today.) Also, since this generator is 3-phase, you don't want fuses on 3-phase loads because of the danger of single-phasing. Do put breakers or fuses on the individual loads - to them the generator will look like an infinite bus, and will work fine!

>Note that molded-case breakers and fuses are rated to carry their rated current (or 80% in a box) indefinitely, will trip eventually, minutes to hours, at 135%, seconds to minutes at 200%, and very quickly, 3 cycles or less, for a good short-circuit. Molded-case breakers are somewhat sensitive to ambient temperature for long-time trips, unless they are ambient compensated. Fuses are less so because they are inherently high-temperature devices at the fuse elements.

The sub-transient reactance of your generator is probably .15 to .2, meaning the peak short-circuit current available is 5 to 7 times the full load current rating. The synchronous reactance is probably about 1.0, so the continuous short-circuit current will be about equal to the full-load current rating. Upon further reflection, large generators are no better, but switchgear-type breakers are used which are more versatile.

Tsch,fl
Richard Brunner, AA1P, rbrunner@gis.net
>
>
>
>

End of BOATANCHORS Digest 2564
